

P01018US1A(9291)

In the Specification:

At page 9, line , please insert the following paragraph.

The production of syndiotactic 1,2-polyguardiene may be accomplished by polymerizing 1,3-butadiene monomer by using a catalytically effective amount of a transition metal catalyst composition. To understand what is meant by a catalytically effective amount, it should be understood that the total catalyst concentration to be employed in the polymerization mass depends on the interplay of various factors such as the purity of the ingredients, the polymerization temperature, the polymerization rate and conversion desired, and many other factors. Accordingly, a specific total catalyst concentration cannot be definitively set forth except to say that catalytically effective amounts of the respective catalyst ingredients should be used. With respect to the transition metal compound component of the catalyst system (e.g., the iron compound, molybdenum compound, or chromium compound), the amount of transition metal compound used can be varied from about 0.01 to about 2 mmol per 100 g of 1,3-butadiene monomer, more preferably from about 0.02 to about 1.0 mmol per 100 g of 1,3-butadiene monomer, and even more preferably from about 0.05 to about 0.5 mmol per 100 g of 1,3-butadiene monomer.